

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of sending first data from a first device to a destination device, said first device being connected by a first layer of a network to a plurality of second devices, said first layer of the network having a first session topology which defines a first set of one or more of said second devices to which data may be directly addressed from said first device in said first layer, said method comprising the acts of:

joining a session in a second layer of the network, said second layer having a second session topology which defines a second set of one or more of said second devices to which data may be directly addressed from said first device in said second layer, said second set of devices to which data may be directly addressed from said first device in said second layer being different from said first set of devices to which data may be directly addressed from said first device in said first layer, said destination device being a member of said second set;

creating a first data package which contains: (a) said first data; and (b) a header;

addressing said first data package to said destination device in accordance with said second session topology;

sending said first data package to said destination device according to said first session topology.

2. (Previously Presented) The method of claim 1, wherein said first device is communicatively coupled to a microphone, and wherein said method further comprises:
capturing said first data using said microphone.

3. (Currently Amended) The method of claim 1, wherein said destination device is not a member of said second set, and wherein said sending act comprises:

appending a header to said first data package which indicates that said first data ~~first~~ package is to be delivered to said destination device; and

sending said first data package to a host device different from said destination device, said host device being a member of said first set.

4. (Original) The method of claim 3, wherein said destination device is a member of said first set.

5. (Original) The method of claim 3, further comprising the acts of:
in said host device, receiving a second data package from a second device, said data package comprising: (a) second data; and (b) a header which indicates that said data package is to be delivered to said destination device; and
said host device sending to said destination device a mixed stream comprising said first data and said second data.

6. (Original) The method of claim 3, further comprising the acts of:
in said host device, receiving a second data package from a second device, said data package comprising: (a) second data; and (b) a header which indicates that said data package is to be delivered to said destination device; and
said host device sending said first and second data packages separately to said destination device.

7. (Original) The method of claim 1, wherein said sending act comprises sending said first data package using non-guaranteed delivery.

8. (Currently Amended) One or more computer-readable storage media having computer-executable instructions to perform a method of sending first data from a first device to a destination device, said first device being connected by a first layer of a network to a plurality of second devices, said first layer of the network having a first session topology which defines a first set of one or more of said second devices to which data may be directly addressed from said first device, said method comprising the acts of:

joining a session in a second layer of the network, said second layer having a second session topology which defines a second set of one or more of said second devices to

which data may be directly addressed from said first device in said second layer, said second set of devices to which data may be directly addressed from said first device in said second layer being different from said first set of devices to which data may be directly addressed from said first device in said first layer, said destination device being a member of said second set;

creating a first data package which contains: (a) said first data; and (b) a header;

addressing said first data package to said destination device in accordance with said second session topology;

sending said first data package to said destination device according to said first session topology.

Claims 9-21 (Canceled)

22. (Withdrawn) A system for communicating over a network comprising:

a communication port which transmits and receives information over said network;

a processor;

a memory communicatively coupled to said processor, said memory having a location in which a first identifier is storable, said memory storing at least:

a first program module which sends information to a first node in said network through said communication port, and which receives information from said first node through said communication port, said first node being a member of a session;

a second program module which generates a second identifier based on a function; and

a third program module which adds a second node in said network to said session, said third program module being operative or non-operative according to a comparison of said second identifier with said first identifier, wherein each node in said session is associated with a host order value, said first identifier being a one of said host order values, wherein said memory further stores a table indicative of

the respective host order values associated with each node in said session, and wherein said function is based on an ordering among said host order values.

23. (Withdrawn) The system of claim 22, wherein said comparison comprises an equality comparison between said second identifier and said first identifier.

24. (Canceled)

25. (Withdrawn) The system of claim 22, wherein said function comprises identifying the lowest value among said host order values.

26. (Withdrawn) The system of claim 22, further comprising a microphone which generates audio data, wherein said first program module transmits said audio data to said first node through said communication port.

27. (Withdrawn) The system of claim 22, wherein said memory further stores:
a fourth program module which determines that first data received by said first program module is addressed to a third node and which relays said first data to said third node.

28. (Withdrawn) The system of claim 22, wherein said memory further stores:
a fourth program module which maintains a name table of nodes in said session.

Claims 29-63. (Canceled)

64. (Previously Presented) The one or more computer-readable storage media of claim 8, wherein said device is communicatively coupled to a microphone, and wherein said method further comprises:

capturing said first data using said microphone.

65. (Previously Presented) The one or more computer-readable storage media of claim 8, wherein said destination device is not a member of said second set, and wherein said sending act comprises:

appending a header to said data package which indicates that said data package is to be delivered to said destination device; and

sending said data package to a host device different from said destination device, said host device being a member of said first set.

66. (Previously Presented) The one or more computer-readable storage media of claim 65, wherein said destination device is a member of said first set.

67. (Previously Presented) The one or more computer-readable storage media of claim 65, wherein said method further comprises the acts of:

in said host device, receiving a second data package from a second device, said data package comprising: (a) second data; and (b) a header which indicates that said data package is to be delivered to said destination device; and

said host device sending to said destination device a mixed stream comprising said first data and said second data.

68. (Previously Presented) The one or more computer-readable storage media of claim 65, wherein said method further comprises the acts of:

in said host device, receiving a second data package from a second device, said data package comprising: (a) second data; and (b) a header which indicates that said data package is to be delivered to said destination device; and

said host device sending said first and second data packages separately to said destination device.

69. (Previously Presented) The one or more computer-readable storage media of claim 8, wherein said sending act comprises sending said first data package using non-guaranteed delivery.